

Message Text

UNCLASSIFIED

PAGE 01 VIENNA 04489 021756Z

ACTION OES-07

INFO OCT-01 EUR-12 ISO-00 ACDA-10 CIAE-00 INR-07 IO-14

L-03 NSAE-00 NSC-05 EB-07 NRC-07 FEAE-00 DODE-00

SS-15 EPA-04 /092 W

-----021827Z 040067 /53

P R 021709Z JUN 77

FM AMEMBASSY VIENNA

TO SECSTATE WASHDC PRIORITY 1937

INFO USERDA HQ WASHDC

USERDA HQ GERMANTOWN

UNCLAS VIENNA 4489

USIAEA

DEPT PASS USNRC WASHDC DEPT PASS IO/SCT

E.O. 11652: N/A

TAGS: TECH, ENRG, IAEA

SUBJECT: US VOLUNTARY OFFER--ENVIRONMENTAL EFFECTS ASSESSMENT

REFS: A) STATE 67093; B) IAEA VIENNA 3581

1. RE REFTEL A, PARA 2A, BEST CONSERVATIVE ESTIMATE WOULD BE DETERMINED BY APPLYING FORMULA IN PARAGRAPH 78 OF US/IAEA SAFEGUARDS AGREEMENT TO SPECIFIC FACILITIES.

2. RE PARA 2B, LATEST INFORMATION ON THIS QUESTION WAS DISCUSSED AT US/IAEA MEETINGS ON SUBSIDIARY ARRANGEMENTS DURING LAST WEEK IN APRIL AND WAS REPORTED REFTEL B

3. RE PARA 2C, AGENCY WOULD NOT TAKE SAMPLES IN CONNECTION WITH APPLICATION OF SAFEGUARDS AT POWER REACTORS. AT EACH COMMERCIAL LOW ENRICHED FUEL FABRICATION PLANT, PERHAPS 50 TO 80 SAMPLES PER YEAR WOULD BE TAKEN. URANIUM DIOXIDE POWDER, PELLETS, HYDROLIZED URANIUM HEXAFLUORIDE AND UNCLASSIFIED

UNCLASSIFIED

PAGE 02 VIENNA 04489 021756Z

SCRAP MIGHT BE SAMPLED. SAMPLES AT OTHER FACILITIES WHERE BULK MATERIAL IS USED, PROCESSED OR STORED WOULD DEPEND ON FORM, QUANTITY AND FLOW RATE OF MATERIAL BEING SAFEGUARDED. SAMPLES WOULD BE TAKEN FOR PURPOSES OF FLOW AND INVENTORY VERIFICATION. NUMBER OF SAMPLES TO BE TAKEN CAN BE ASSUMED TO BE NOT MORE THAN THAT FOR LEU FABRICATION PLANT,

GIVEN ABOVE, WITH POSSIBLE EXCEPTION OF FUEL REPROCESSING PLANTS, NONE OF WHICH IS CURRENTLY EXPECTED TO BE IN OPERATION IN FORESEEABLE FUTURE. SOME HANDLING OF IRRADIATED FUEL ASSEMBLIES MAY EVENTUALLY BE DONE AT POWER REACTORS TO ENABLE NDA MEASUREMENTS, BUT THIS WILL ONLY HAPPEN AFTER PROCEDURES AND INSTRUMENTS HAVE BEEN DEVELOPED FOR SUCH PURPOSE. AGENCY INTENDS TO USE NDA MEASUREMENTS AS MUCH AS POSSIBLE IN ORDER TO AVOID NEED FOR SAMPLE TAKING AND DESTRUCTIVE ANALYSES.

4. RE PARA 2D, SAMPLE HANDLING PROCEDURES WOULD BE THOSE WHICH FACILITY OPERATOR IS AUTHORIZED TO USE INCLUDING ANY TRANSPORTATION ARRANGEMENTS, I.E., CONSISTENT WITH US REGULATIONS. AGENCY INSPECTORS WOULD NOT THEMSELVES HANDLE SAMPLES BUT WOULD HAVE NECESSARY HANDLING DONE BY OPERATOR. TO EXTENT ANY SAMPLES OF US ORIGIN ARE TO BE ANALYZED IN US, THEY WOULD BE PART OF ANALYTICAL PROGRAM OF IAEA'S NETWORK OF ANALYTICAL LABORATORIES (NWAL), INVOLVING LABORATORIES IN A NUMBER OF COUNTRIES, FOR ANALYZING SAFEGUARDS SAMPLES TAKEN BY IAEA ANYWHERE IN WORLD. (NWAL IS DESCRIBED IN PAPER IAEA SM 201/98 BY LOPEZ-MENCHERO ET AL AT IAEA'S OCTOBER 1975 SAFEGUARDS SYMPOSIUM.) THUS, CONTROLLING FACTOR IN QUESTION OF POSSIBLE ANALYSES OF SAFEGUARDS SAMPLES IN US WOULD BE IAEA'S OVERALL NWAL SAMPLING AND ANALYSIS OPERATIONS WHICH ARE NOT CURRENTLY DELINEATED AND WHICH, IN ANY EVENT, WILL BE SEPARATE FROM AND INDEPENDENT OF THE US/IAEA SAFEGUARDS AGREEMENT. UNCLASSIFIED

UNCLASSIFIED

PAGE 03 VIENNA 04489 021756Z

THUS, IT IS IMPOSSIBLE TO FORECAST, AT THIS TIME, WHERE SAMPLES TAKEN IN US WILL BE ANALYZED. AT ONE EXTREME, ALL SAMPLES WILL BE ANALYZED IN ONE LABORATORY LOCATED IN US. AT OTHER EXTREME, ALL SAMPLES WILL BE SHIPPED TO LABORATORIES LOCATED OUTSIDE US. IN EITHER CASE, SHIPMENT WILL BE IN MANNER REQUIRED BY US DOMESTIC REGULATIONS. STONE

UNCLASSIFIED

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: STUDIES
Control Number: n/a
Copy: SINGLE
Sent Date: 02-Jun-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01-Jan-1960 12:00:00 am
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977VIENNA04489
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D770196-1234
Format: TEL
From: VIENNA USIAEA
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1977/newtext/t19770696/aaaadgah.tel
Line Count: 104
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: 0bee4086-c288-dd11-92da-001cc4696bcc
Office: ACTION OES
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 2
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: 77 STATE 67093, 77 IAEA VIENNA 3581
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 18-Oct-2004 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 2297594
Secure: OPEN
Status: NATIVE
Subject: US VOLUNTARY OFFER--ENVIRONMENTAL EFFECTS ASSESSMENT
TAGS: TECH, ENRG, US, IAEA
To: STATE
Type: TE
vdkgvwkey: odbc://SAS/SAS.dbo.SAS_Docs/0bee4086-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
22 May 2009
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009